

CLAIMS:

1. A self-cleaning, portable bodily waste receptacle comprising:
 - (a) container means for receiving bodily waste and for receiving and storing waste cleaning fluid, said container means comprising a first compartment for receiving bodily waste and a second compartment for receiving and storing waste cleaning fluid;
 - (b) fill means for allowing the flow of waste cleaning fluid solely into the second compartment for storage of the fluid within the second compartment;
 - (c) fluid path means for directing the waste cleaning fluid from the second compartment into the first compartment; and
 - (d) impelling means to allow the waste cleaning fluid stored in the second compartment to travel under pressure from the second compartment, through the fluid path means, and into the first compartment.
2. The receptacle as in claim 1 wherein the first and second compartments each comprise separate, separated spaces within the container means.
3. The receptacle as in claim 1 further comprising an opening in the container means.
4. The receptacle as in claim 1 further comprising discharge means for allowing removal of bodily waste and waste cleaning fluid from the container means.
5. The receptacle as in claim 4 wherein the discharge means comprises a manually operated valve.
6. The receptacle as in claim 4 wherein the discharge means is located at the bottom of the container means.

7. The receptacle as in claim 4 wherein the discharge means discharges bodily waste and waste cleaning fluid through an opening in the container means.
8. The receptacle as in claim 6 wherein the discharge means discharges bodily waste and waste cleaning fluid through an opening in the bottom of the container means.
9. The receptacle as in claim 1 wherein the fluid path means comprises a fluid hose extending from the impelling means to the first compartment.
10. The receptacle as in claim 1 wherein the fill means comprises a fill opening and fill cap on the container means.
11. The receptacle as in claim 1 further comprising means to transport the receptacle in a readily portable manner.
12. The receptacle as in claim 11 in which the means to transport the receptacle comprises at least one handle located externally of the container means.
13. The receptacle as in claim 1 wherein the impelling means is located in the second compartment of the container means.
14. The receptacle as in claim 1 wherein bladder means for storing the waste cleaning fluid is located in the container means.
15. The receptacle as in claim 14 wherein the bladder means is located in the second compartment.
16. The receptacle as in claim 14 wherein the bladder means comprises a single bladder connected to the fluid path means.
17. The receptacle as in claim 14 wherein the bladder means comprises a plurality of bladders connected to the fluid path means.

18. The receptacle as in claim 14 wherein the impelling means comprises a manually operated valve which allows pressurized waste cleaning fluid to flow from the bladder means to the first compartment.

19. The receptacle as in claim 1 wherein the impelling means comprises a pump.

20. The receptacle as in claim 1 wherein the first compartment comprises a separate toilet bowl element extending substantially within the container means.

21. The receptacle as in claim 1 wherein the second compartment comprises a bedpan bodily waste receiving chamber.

22. The receptacle as in claim 21 further comprising manually operated cover means for closing off the bodily waste receiving chamber.

23. The receptacle as in claim 22 wherein the cover means comprises a slideable cover plate.

24. A self-cleaning, portable bodily waste receptacle comprising:

(a) bowl means for receiving bodily waste;

(b) container means for receiving and storing waste cleaning fluid, said container means substantially surrounding the bowl means and forming an enclosed space into which the waste cleaning fluid is stored;

(c) fill means for allowing the flow of waste cleaning fluid into the space for storage of the fluid within the space;

(d) fluid path means for directing the waste cleaning fluid from within the space to the bowl means; and

(e) impelling means to allow the waste cleaning fluid stored in the space to travel under pressure from the container means, through the fluid path means, and into the bowl means for cleaning the bowl means.

25. The receptacle as in claim 24 further comprising an opening in the bowl means.

26. The receptacle as in claim 24 further comprising discharge means for allowing removal of bodily waste and waste cleaning fluid from the bowl means.

27. The receptacle as in claim 26 wherein the discharge means comprises a manually operated valve.

28. The receptacle as in claim 26 wherein the discharge means is located at the bottom of the bowl means.

29. The receptacle as in claim 26 wherein the discharge means discharges bodily waste and waste cleaning fluid through an opening in the bowl means.

30. The receptacle as in claim 28 wherein the discharge means discharges waste and waste cleaning fluid through an opening in the bottom of the bowl means.

31. The receptacle as in claim 24 wherein the container means comprises a fluidtight reservoir for storing the waste cleaning fluid.

32. The receptacle as in claim 31 wherein the bowl means is located and extends substantially within the reservoir.

33. The receptacle as in claim 24 wherein the impelling means comprises a pump.

34. The receptacle as in claim 24 wherein bladder means for storing the waste cleaning fluid is located in the enclosed space.

35. The receptacle as in claim 34 wherein the bladder means comprises a single bladder connected to the fluid path means.

36. The receptacle as in claim 34 wherein the bladder means comprises a plurality of bladders connected to the fluid path means.

37. The receptacle as in claim 34 wherein the impelling means comprises a manually operated valve which allows pressurized waste cleaning fluid to flow from the bladder means to the bowl means.

38. The receptacle as in claim 24 wherein the fluid path means comprises a fluid hose extending from the means to allow waste cleaning fluid to the bowl means.

39. The receptacle as in claim 24 further comprising means to transport the receptacle in a readily portable manner.

40. The receptacle as in claim 39 in which the means to transport the receptacle comprises at least one handle located externally of the container means.

41. The receptacle as in claim 24 wherein the fill means comprises a fill opening and fill cap on the container means.

42. The receptacle as in claim 24 wherein the bowl means comprises a separate toilet bowl element sealingly secured to and extending substantially within the container means.

43. The receptacle as in claim 24 wherein the bowl means comprises a toilet bowl element which is integrally formed as a part of the container means.

44. A self-cleaning portable bodily waste receptacle comprising:

(a) an enclosed fluidtight reservoir container enclosing a space, said container comprising fill means for allowing the flow of waste cleaning fluid into the space for storage of the fluid within the space;

(b) a toilet bowl element supported by the container and extending into the space of the container;

(c) fluid path means for directing waste cleaning fluid from within the space to the toilet bowl element; and

(d) impelling means to allow the waste cleaning fluid stored in the space to travel under pressure from the container, through the fluid path means, and into the toilet bowl element, for cleaning the toilet bowl element.

45. The receptacle as in claim 44 further comprising discharge means for allowing removal of bodily waste and the waste cleaning fluid from the toilet bowl element.

46. The receptacle as in claim 45 wherein the discharge means comprises a manually operated valve.

47. The receptacle as in claim 45 wherein the discharge means is located at the bottom of the toilet bowl element.

48. The receptacle as in claim 44 wherein the fluid path comprises a fluid hose extending from the space to the toilet bowl element.

49. The receptacle as in claim 44 wherein the impelling means comprises a pump.

50. The receptacle as in claim 44 further comprising means to transport the receptacle in a readily portable manner.

51. The receptacle as in claim 50 in which the means to transport the receptacle comprises at least one handle located externally of the container.
52. The receptacle as in claim 44 wherein the fill means comprises a fill opening and fill cap located on the container.
53. The receptacle as in claim 44 wherein the toilet bowl element comprises a separate component sealingly secured to and extending substantially within the container.
54. The receptacle as in claim 44 wherein the toilet bowl element is integrally formed as a part of the container.
55. The receptacle as in claim 44 further comprising an opening in the toilet bowl element.
56. The receptacle as in claim 45 wherein the discharge means discharges waste and waste cleaning fluid through an opening in the toilet bowl element.
57. The receptacle as in claim 47 wherein the discharge means discharges waste and waste cleaning fluid through an opening in the bottom of the toilet bowl element.
58. The receptacle as in claim 44 wherein bladder means for storing the waste cleaning fluid is located in the space.
59. The receptacle as in claim 58 wherein the bladder means comprises a single bladder connected to the fluid path means.
60. The receptacle as in claim 58 wherein the bladder means comprises a plurality of bladders connected to the fluid path means.

61. The receptacle as in claim 58 wherein the impelling means comprises a manually operated valve which allows pressurized waste cleaning fluid to flow from the bladder means to the toilet bowl element.

62. A self-cleaning portable bodily waste receptacle comprising:

(a) an integrally formed unitary container comprising a bedpan shaped first compartment for receiving bodily waste, said first compartment having a top opening, and a second compartment for receiving and storing waste cleaning fluid, the second compartment being formed as a substantially enclosed space substantially underlying the first compartment.

(b) fill means for allowing the flow of waste cleaning fluid solely into the second compartment for storage of the fluid within the second compartment;

(c) fluid path means for directing waste cleaning fluid from within the second compartment into the first compartment; and

(d) impelling means to allow waste cleaning fluid to travel under pressure from the second compartment, through the fluid path means, and into the first compartment.

63. The receptacle as in claim 62 wherein the first and second compartments each comprise separate, separated spaces within the container.

64. The receptacle as in claim 62 further comprising an opening in the container.

65. The receptacle as in claim 62 further comprising discharge means for allowing removal of bodily waste and waste cleaning fluid from the container.

66. The receptacle as in claim 65 wherein the discharge means comprises a manually operated valve.

67. The receptacle as in claim 65 wherein the discharge means is located at the bottom of the container means.

68. The receptacle as in claim 65 wherein the discharge means discharges bodily waste and waste cleaning fluid through an opening in the container.

69. The receptacle as in claim 67 wherein the discharge means discharges bodily waste and waste cleaning fluid through an opening in the bottom of the container.

70. The receptacle as in claim 1 wherein the fluid path means comprises a fluid hose extending from the means to allow waste cleaning fluid to the first compartment.

71. The receptacle as in claim 62 wherein the fill means comprises a fill opening and fill cap on the container.

72. The receptacle as in claim 62 further comprising means to transport the receptacle in a readily portable manner.

73. The receptacle as in claim 72 which the means to transport the receptacle comprises at least one handle located externally of the container.

74. The receptacle as in claim 62 wherein the impelling means is located in the second compartment of the container.

75. The receptacle as in claim 62 wherein bladder means for storing the waste cleaning fluid is located in the container.

76. The receptacle as in claim 75 wherein the bladder means is located in the second compartment.

77. The receptacle as in claim 75 wherein the bladder means comprises a single bladder connected to the fluid path means.

78. The receptacle as in claim 75 wherein the impelling means comprises a manually operated valve which allows pressurized waste cleaning fluid to flow from the bladder means to the first compartment.

79. The receptacle as in claim 62 further comprising manually operated cover means for closing the top opening of the first compartment.

80. The receptacle as in claim 80 wherein the cover means comprises a slideable cover plate.

81. The method of cleaning a portable bodily waste receptacle comprising:

(a) providing an enclosed fluidtight container with a first compartment for receiving bodily waste and a second compartment for receiving and storing waste cleaning fluid and fill means for allowing the flow of waste cleaning fluid into the second compartment and for storage of the fluid within the second compartment;

(b) providing fluid path means for directing the waste cleaning fluid from the second compartment into the first compartment;

(c) providing impelling means to allow waste cleaning fluid to travel under pressure from the second compartment to the first compartment;

(d) supplying waste cleaning fluid to the second compartment;

(e) operating the impelling means to compel the fluid, under pressure, through the fluid path means;

(f) directing the waste cleaning fluid from the fluid path means into the first compartment;

- (g) applying fluid pressure to the waste cleaning fluid to clean the first compartment;
- (h) providing a discharge valve to vacate the first compartment;
- (i) opening the discharge valve, thereby discharging bodily waste and waste cleaning fluid from the first compartment;
- (j) closing the discharge valve after the first compartment is emptied of bodily waste and waste cleaning fluid; and
- (k) supplying additional waste cleaning fluid to the second compartment.